

CHARGING APPARATUS OF BICYCLE DYNAMO

ABSTRACT OF THE DISCLOSURE

A charging apparatus of a bicycle dynamo is configured and arranged to charges a voltage generated by a dynamo GE and comprises a first capacitor C1, a second capacitor C2, a first diode D1 and a third diode D3. The second capacitor C2 is supplied and charged by the dynamo output during the negative half-cycle of the dynamo output. During the positive half-cycle of the dynamo output the first diode D1 supplies the electrical charge that was charged in the second capacitor C2 to the first capacitor C1. During the positive half-cycle of the dynamo output the third diode D3 supplies the dynamo output to the first capacitor C1 when the charging voltage of the second capacitor C2 is equal to or less than a specified voltage.